

What Is Claimed Is:

1 1. An image forming apparatus, comprising:
2 an interface unit outputting a control signal in a
3 predetermined format to an output unit in accordance with a
4 sensing signal from a sensor;
5 an image capturing unit for capturing image; and
6 a driving unit detachably coupled to the interface unit,
7 wherein the driving unit having an input unit receiving the
8 control signal for driving the image capturing unit in
9 accordance with the control signal.

1 2. The image forming apparatus as claimed in claim 1,
2 wherein a first coupling apparatus is provided in the interface
3 unit, and a second coupling apparatus corresponding to the first
4 coupling apparatus and detachably engaged in the first coupling
5 apparatus is further provided in the driving unit.

1 3. The image forming apparatus as claimed in claim 2,
2 wherein the first coupling apparatus and the second coupling
3 apparatus each comprises corresponding sticking structures.

1 4. The image forming apparatus as claimed in claim 2,
2 further comprising a storage unit for saving the image captured
3 as an image record.

1 5. The image forming apparatus as claimed in claim 4,
2 wherein the image record is in digital format.

1 6. The image forming apparatus as claimed in claim 5,
2 wherein the control signal comprises an impulse signal.

1 7. The image forming apparatus as claimed in claim 5,
2 wherein the sensor is selected from the group consisting of a
3 pressure sensor, a humidity sensor, a chemo-sensor, a timer, an
4 audiosensor, a photoelectric cell, an ultra red sensor, and a
5 magnetic field sensor.

1 8. The image forming apparatus as claimed in claim 1,
2 wherein the sensor comprises a switch.

1 9. The image forming apparatus as claimed in claim 8,
2 wherein the switch is given an external force to generate the
3 sensing signal with a voltage change in the sensor.

1 10. The image forming apparatus as claimed in claim 1,
2 wherein the sensor comprises an image identify device.

1 11. The image forming apparatus as claimed in claim 10,
2 wherein the image identify device generates the sensing signal
3 corresponding to a result from comparing the image with a
4 predetermined pattern.

1 12. The image forming apparatus as claimed in claim 1,
2 wherein the image capturing unit is a digital video camera.

1 13. The image forming apparatus as claimed in claim 1,
2 wherein the image capturing unit is a digital photo camera.

1 14. A signal generator for controlling an image forming
2 apparatus, the image forming apparatus captures a control signal
3 in a predetermined format, the signal generator comprises:

4 a sensor generating a sensing signal in accordance with
5 environmental variations; and

6 an interface device detachably coupled to the image forming
7 apparatus, the interface device generating the control signal
8 in accordance with the sensing signal.

1 15. The signal generator as claimed in claim 14, wherein
2 the interface device is further provided with a coupling
3 mechanism for detachably engaging the image capturing
4 apparatus.

1 16. The signal generator as claimed in claim 15, wherein
2 the coupling mechanism comprises corresponding sticking
3 structure.

1 17. The signal generator as claimed in claim 14, wherein
2 the control signal comprises an impulse signal.

1 18. The signal generator as claimed in claim 14, wherein
2 the sensor is selected from the group consisting of a pressure
3 sensor, a humidity sensor, a chemo-sensor, a timer, an
4 audiosensor, a photoelectric cell, an ultra red sensor, and a
5 magnetic field sensor.

1 19. The signal generator as claimed in claim 14, wherein
2 the sensor comprises an image identify device.

1 20. The signal generator as claimed in claim 19, wherein
2 the image identify device generates the sensing signal
3 corresponding to a result from comparing the image with a
4 predetermined pattern data.